

peripheral heads at opposite ends thereof and said second pin having first and second peripheral heads at opposite ends thereof; and

first and second elongated plates positioned substantially parallel to one another, said first and second pins extending between said first and second plates, said first and second plates having respective first and second apertures formed therein, said first and second apertures having respective narrow curvilinear portions narrower than said respective first heads of said first and second pins to prevent said respective first heads from passing therethrough, said narrow curvilinear portions having respective countersinks formed therearound for receiving and substantially concealing said respective first heads of said first and second pins, said first and second apertures having respective wide curvilinear portions wider than said respective first heads of said first and second pins to permit said respective first heads to pass therethrough to disassemble the chain link, said respective wide curvilinear portions being connected to said respective narrow curvilinear portions to permit movement of said respective first heads therebetween, said respective second heads of said first and second pins being connected to said respective second and first plates.

3. (Once Amended) The chain link of claim 1, wherein said respective second heads of said first and second pins are integrally connected to said respective second and first

024
plates with said respective second heads flush with [the]
outer surfaces of said respective second and first plates.

03
6. (Once Amended) The chain link of claim 1, wherein each of
said first and second plates extend longitudinally between
first and second ends, said first end of said first plate
having an extension connected thereto [to prevent] preventing
movement of one of said first heads from its associated narrow
curvilinear portion to its associated wide curvilinear portion
without rotating the chain link [approximately orthogonal] out
of line relative to [an] at least one adjacent interconnected
[chain] roller link.

04
8. (Once Amended) A reusable master chain link for a
derailleur chain, comprising:

first and second pins positioned substantially parallel
to one another, said first pin having first and second heads
at opposite ends thereof and said second pin having first and
second heads at opposite ends thereof; and

first and second elongated plates positioned
substantially parallel to one another, each of said first and
second plates extending longitudinally between first and
second ends, said first and second pins extending between said
first and second plates, said first and second plates having
respective first and second apertures formed therein for
receiving said first heads of said respective first and second
pins, said first and second apertures having respective narrow
curvilinear portions narrower than said respective first heads

of said first and second pins to prevent said respective first heads from passing therethrough, said first and second apertures having respective wide curvilinear portions wider than said respective first heads of said first and second pins to permit said respective first heads to pass therethrough to disassemble the chain link, said respective wide curvilinear portions being connected to said respective narrow curvilinear portions to permit movement of said respective first heads therebetween, said first end of said first plate having an extension connected thereto [to prevent] preventing movement of one of said first heads from its associated narrow curvilinear portion to its associated wide curvilinear portion without rotating the chain link [approximately orthogonal] out of line relative to [an] at least one adjacent interconnected [chain] roller link, said respective second heads of said first and second pins being connected to said respective second and first plates.

10. (Once Amended) The chain link of claim 8, wherein said respective second heads of said first and second pins are integrally connected to said respective second and first plates with said respective second heads flush with [the] outer surfaces of said respective second and first plates.

14. (Once Amended) A chain assembly for a derailleur chain, comprising:

a master chain link including first and second parallel pins, said first pin having first and second heads at opposite

ends thereof and said second pin having first and second heads at opposite ends thereof, said master chain link further including first and second parallel elongated plates, said first and second pins extending between said first and second plates, said first and second plates having respective first and second apertures formed therein for receiving said respective first heads of said first and second pins, said first and second apertures having respective narrow curvilinear portions narrower than said respective first heads of said first and second pins, said first and second apertures having respective wide curvilinear portions wider than said respective first heads of said first and second pins, said respective wide curvilinear portions being coupled to said respective narrow curvilinear portions, said respective second heads of said first and second pins being connected to said respective second and first plates; and

a roller chain link including a pair of parallel elongated plates with first and second ends and a pair of hollow cylinders connected between said plates, each of said plates of said roller link having a respective pair of apertures opening into said respective hollow cylinders, one of said pins of said master link interconnecting with one of said hollow cylinders at said first ends of said respective plates of said roller link, said first end of one of said plates of said roller link having an extension connected thereto [to prevent] preventing movement of said first heads of said master link from their associated narrow curvilinear portions to their associated wide curvilinear portions without

rotating said master link [approximately orthogonal] out of line relative to said roller link.

15. (Once Amended) A chain assembly for a derailleur chain, comprising:

Copy
a master chain link including first and second parallel pins, said first pin having first and second heads at opposite ends thereof and said second pin having first and second heads at opposite ends thereof, said master chain link further including first and second parallel elongated plates, said first and second pins extending between said first and second plates, said first and second plates having respective first and second apertures formed therein for receiving said first heads of said respective first and second pins, said first and second apertures having respective narrow curvilinear portions narrower than said respective first heads of said first and second pins, said first and second apertures having respective wide curvilinear portions wider than said respective first heads of said first and second pins, said respective wide curvilinear portions being coupled to said respective narrow curvilinear portions, said respective second heads of said first and second pins being connected to said respective second and first plates;

an outer pin link including first and second parallel elongated plates and a pair of parallel pins connected therebetween, each of said plates of said outer pin link having first and second ends; and

6
a roller link interconnecting said master link and said outer pin link such that said first and second plates of said outer pin link are laterally aligned with said respective first and second plates of said master link with said first end of said first plate of said outer pin link positioned adjacent said first aperture of said first plate of said master link, said first end of said first plate of said outer pin link having an extension connected thereto [to prevent] preventing movement of said first heads of said master link from their associated narrow curvilinear portions to their associated wide curvilinear portions without rotating said master link [approximately orthogonal] out of line relative to said [outer pin] roller link.

16. (Once Amended) An assembly for engagement with a substantially identical assembly to form a reusable master chain link for a derailleur chain, comprising:

a pin having first and second peripheral heads at opposite ends thereof, said first head being substantially identical to a third head of the substantially identical assembly; and

an elongated plate connected to said second head of said pin, said plate having an aperture formed therein adapted to engage the third head, said aperture having a narrow curvilinear portion narrower than the third head to prevent the third head from passing therethrough, said narrow curvilinear portion having a countersink formed therearound for receiving and substantially concealing the third head,